

ABSTRACT

Background & Objectives:

The purpose of this study was to estimate the levels of lipid profile in patients with chronic periodontitis before and after scaling and root planing.

Materials and Methods:

Thirty one patients in age range of 30-60 years, with chronic periodontitis were selected. The study subjects were clinically (using UNC-15 probe) and biochemically (lipid profile) evaluated. These values were obtained before scaling and root planing and established as the baseline and a post-treatment recording was made 6 weeks following non-surgical periodontal therapy for comparison with the baseline values.

Results:

Re-evaluation at 6 weeks revealed that there was a significant reduction in total cholesterol (235.90 ± 57.66 to 196.74 ± 52.30), triglyceride (221.71 ± 92.35 to 181.32 ± 72.21), Low density lipoprotein (145.52 ± 25.84 to 121.23 ± 29.38) and Very low density lipoprotein (44.95 ± 17.97 to 33.95 ± 12.25). The High Density lipoprotein level increased from 38.05 ± 6.57 to 43.98 ± 7.52 over the same time period.

Conclusion:

Within the limitations of this study, it can be concluded that there is a significant decrease in Total cholesterol, triglyceride, low density and very low density lipoproteins and increase in high density lipoprotein following scaling and root planing over six weeks' time period.

Keywords: Chronic Periodontitis, Lipid Profile, Scaling and Root planing, Non surgical therapy, Cholesterol